

# Recombinant human RhoC protein

Catalog Number: ATGP0638

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-190aa

### UniProt No.

P08134

### NCBI Accession No.

NP\_001036144

### Alternative Names

Rho-related GTP-binding protein RhoC, ARH9, ARHC, H9, RHOH9, Rho-related GTP-binding protein RhoC, Ras homolog family member C, Rho cDNA clone 9

## PRODUCT SPECIFICATION

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### Molecular Weight

23.8 (210aa) confirmed by MALDI-TOF (Real Molecular weight on SDS-PAGE will be shift up)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

RhoC, also known as rho-related GTP-binding protein RhoC, is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. It cycles between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. RhoC promotes reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. Recombinant human RhoC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

## Amino acid Sequence

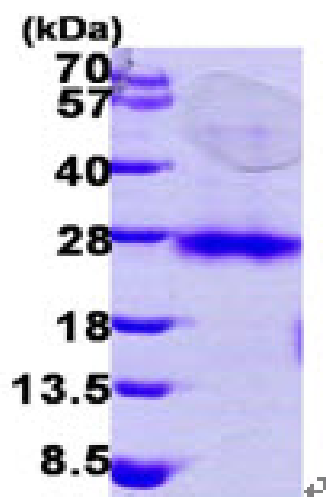
MGSSHHHHHH SSSLVPRGSH MAAIRKKLVI VGDGACGKTC LLIVFSKDQF PEVYVPTVFE NYIADIEVDG KQVELALWDT  
AGQEDYDRLR PLSYPDTDVI LMCFSIDSPD SLENIPEKWT PEVKHFCPNV PIILVGNKKD LRQDEHTRRE LAKMKQEPVR  
SEEGRDMANR ISAFGYLECS AKTKEGVREV FEMATRAGLQ VRKNKRRRGC

## General References

Ridley AJ.. (2006) Trends Cell Biol. 16(10):522-9

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)